

USDA - FSA Aerial Photography Field Office NAIP 2005

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Triathlon Ltd.

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(Geospatial Services International)*



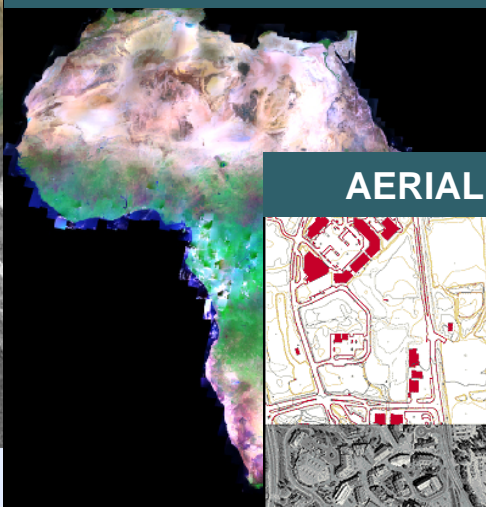
Geospatial Services

Provide a complete suite of land information services derived from satellites, aerial platforms, and other sources

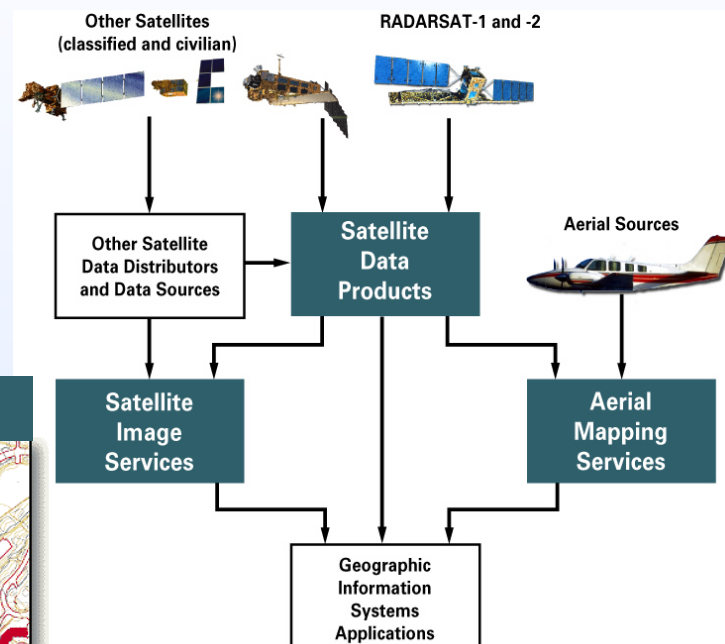
SATELLITE DATA DISTRIBUTION



VALUE-ADDED SERVICES



AERIAL MAPPING



Contract Award – LA, MS, AL, GA





Mississippi

- **Acquisition period**
 - July 1 to August 31
 - Extension to September 30
 - Further extension to November 15
- **Flight Contractor Delorme Topobird**
 - LH ADS40 Cessna Conquest
 - 3200 Doqqqs
- **Weather**
 - Haze
 - Hurricanes
 - PM cloud build-up



Louisiana

- **Acquisition period**
 - June 15 to August 31
 - Extension to September 30
 - Further extension to November 15
- **Flight Contractor Delorme Topobird**
 - LH ADS40 Cessna Conquest
 - 2918 Doqqqs
- **Weather**
 - Haze
 - Hurricanes
 - PM Cloud build-up
 - Gulf coast No fly Zone



Alabama

- **Acquisition period**
 - June 1 to July 17
 - Extension to September 30
 - Further extension to October 15
- **Flight Contractor MD-Atlantic Technologies**
 - RC30 ABGPS/IMU Film Cessna Caravan
 - 7011 exposures
 - 3470 Doqqqs
- **Weather**
 - Very persistent Haze
 - Hurricanes
 - 40% of mobilizations resulted in no photo



Georgia

- **Acquisition period**
 - May 23 to July 31
 - Extension to September 30
 - Further extension to October 30
- **Flight Contractor LandAir Mapping**
 - LH ADS40 Lear Jet
 - 3470 Doqqqs
- **Weather**
 - Haze
 - Hurricanes

Image Acquisition – Lessons Learned

- Early contract award (or fall acquisition) optimal for success of southern flight (is it possible to reliably meet APFO's mandate?)
- Having a neighboring state to fly helps with efficiencies
- Summer haze and low pressure cycles not conducive to high altitude acquisition over large areas
- Early spring and fall best acquisition times
- Turbulence - Aircraft gets a good shaking - Necessary for multiple redundancy onboard disc backup (MM40)
- Don't try to fly near prominent elected officials



Recommendations



- In the south, look at ways to satisfy the APFO without fighting nature. Does early spring or fall photo come close to meeting the crop compliance mandate?
- Continue to work towards a consistent delivery acceptance criteria
- Support any non proprietary formats



“NAIP 2005 Recommendations”

- Image Specifications: Continue to work on the definition of acceptable imagery - especially for 1m states.
- *Result: Contractors understand the expectations of the USDA and their partners.*
- Image QC and Acceptance: Further share APFO QC tools and procedures with contractors, so that they are used to check products prior to shipment.
- *Result: Product acceptance is standardized, first-time acceptance rates will increase and the burden on APFO QC staff is lessened.*
- Contractor Feedback: Continue to provide performance feedback to contractors on an individual basis.
- *Result: Contractors can continue to improve performance.*

Shirley McLaren 2004 Project Manager